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TITLE: Disc drive with tray vibration preventing structure

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: KR2002069547A

BASIC-ABSTRACT:

NOVELTY - A disc drive with a structure for preventing the vibration of a tray is provided to integrate the vibration preventing structures to a housing, thereby reducing the required parts and the working procedure.

DETAILED DESCRIPTION - A disc drive with a structure for preventing the vibration of a tray includes guide grooves(63) formed at both sides of the tray(60), a plurality of guide protrusions(43) formed at both sides of a housing(40) by a predetermined interval to be inserted into the guide grooves, concave parts(45) provided between the guide protrusions by a predetermined depth, and a plurality of vibration preventing structures(46) integrated with the concave parts for applying elasticity to the guide grooves for restraining the deviation of the guide grooves with respect to the guide protrusions when loading or unloading the tray to prevent the vibration.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: DISC DRIVE TRAY VIBRATION PREVENT STRUCTURE

**DERWENT-CLASS: T03**

**EPI-CODES: T03-F01;**

